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Copy 3 of 4

24 February 1956

MEMORANDUM FOR: PROJECT DIRECTOR

SUBJECT : Film Requirements for Project AQUATONE

1. In establishing the initial film requirement for Project AQUATONE several factors have been considered in arriving at a safe and realistic recommendation. Some of these factors may be recognized as facts and some must be recognized as assumptions.

A. Those recognized as facts are:

(1) The manufacturer requires 2 months "lead time" to manufacture the film.

(2) The shelf life of the film allows long time storage.

(3) The film requirement for the "C" camera and the HRN camera will be established at a later date.

(4) The film requirement for training will be considered separately.

(5) Initial over-stocking, if any, may be reduced by supplying detachments "B" and "C" from existing stock.

B. The assumptions that have been considered in establishing this requirement are:

(1) 4 aircraft per detachment

(2) 32 photographic sorties per detachment per month

(3) 2 months film supply is desired as the initial operating level for one detachment.

(4) 3 months film supply is desired as the initial stock level required at the factory.

(5) Detachment "A's" film requirements, for the first two months, may be adequately covered by assuming that camera usage will be not more than:

153

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- 2 -

A1	100% x 64 series	= 64 series
A2	100% x 64 series	= 64 series
"B"	4000 ft. rolls 30% x 64 series	= 20 series
"B"	6700 ft. rolls 20% x 64 series	= 12 series

(6) The initial factory storage requirements are established under the assumption that camera configuration usage during the 3 months period will be uniform then:

Configuration	A1	20% x 96 series	= 19 series
"	A2	20% x 96 series	= 19 series
"	B	60% x 96 series	= 58 series

2. In light of the above it is recommended that the following stock of film be procured to fulfill the initial film requirement of Project AQUATONE.

Film Dimensions		Detachment "A" 2 mo operation	Factory storage 3rd thru 5th mo	Total	
Format Size	Roll Length	Rolls	Rolls	Rolls	Feet
9" x 9"	390'	192	57	249	97,000
9" x 18"	2000'	192	57	249	498,000
9" x 18"	4000'	40	98	138	552,000
9" x 18"	6700'	24	18	42	282,000
3" x 10"	1000'	64	96	160	160,000

3. It is recommended that the film requirements for Detachments "B" and "C" be established at a later date when we can use the experience gained from Detachment "A's" operations. It is intended that a continuing review of all film requirements and stock levels will be made by Project Headquarters. Recommendations for future procurement will be based on consumption data as well as forecasts for future operations.

154

Colonel, USAF

PCS/DCI:RWB/jcm

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